

1/33

FIG. 1

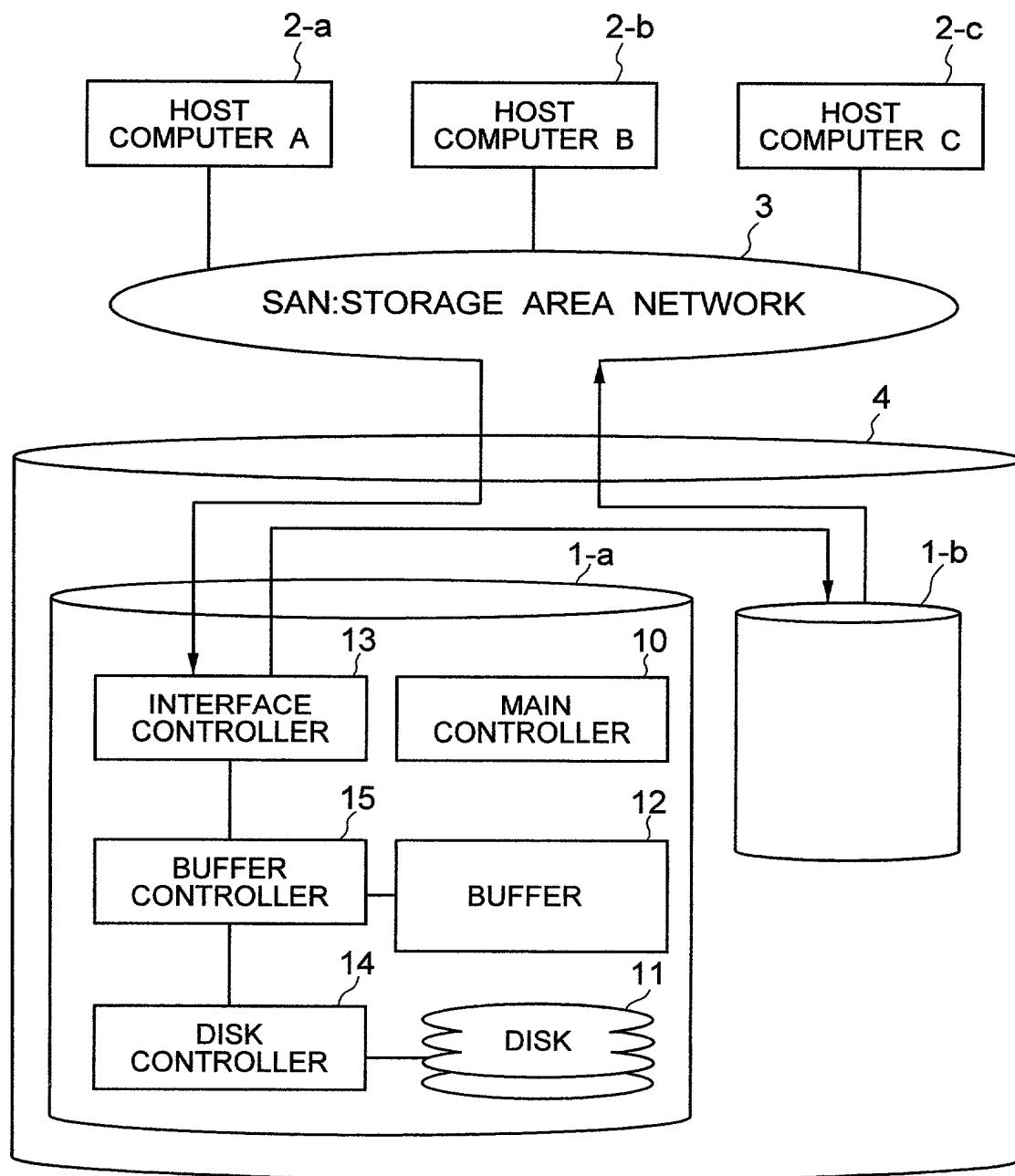


FIG. 2

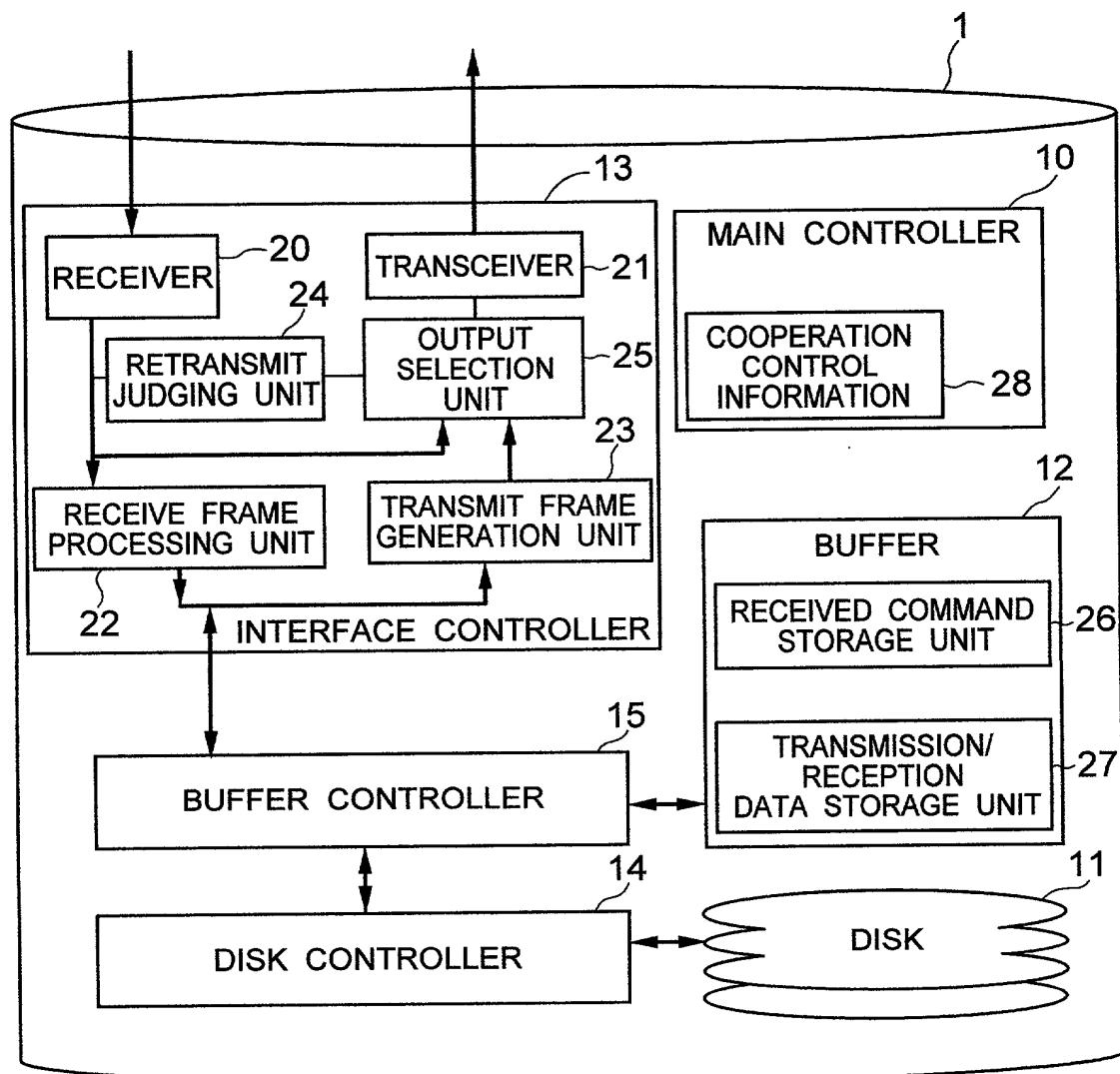


FIG. 3

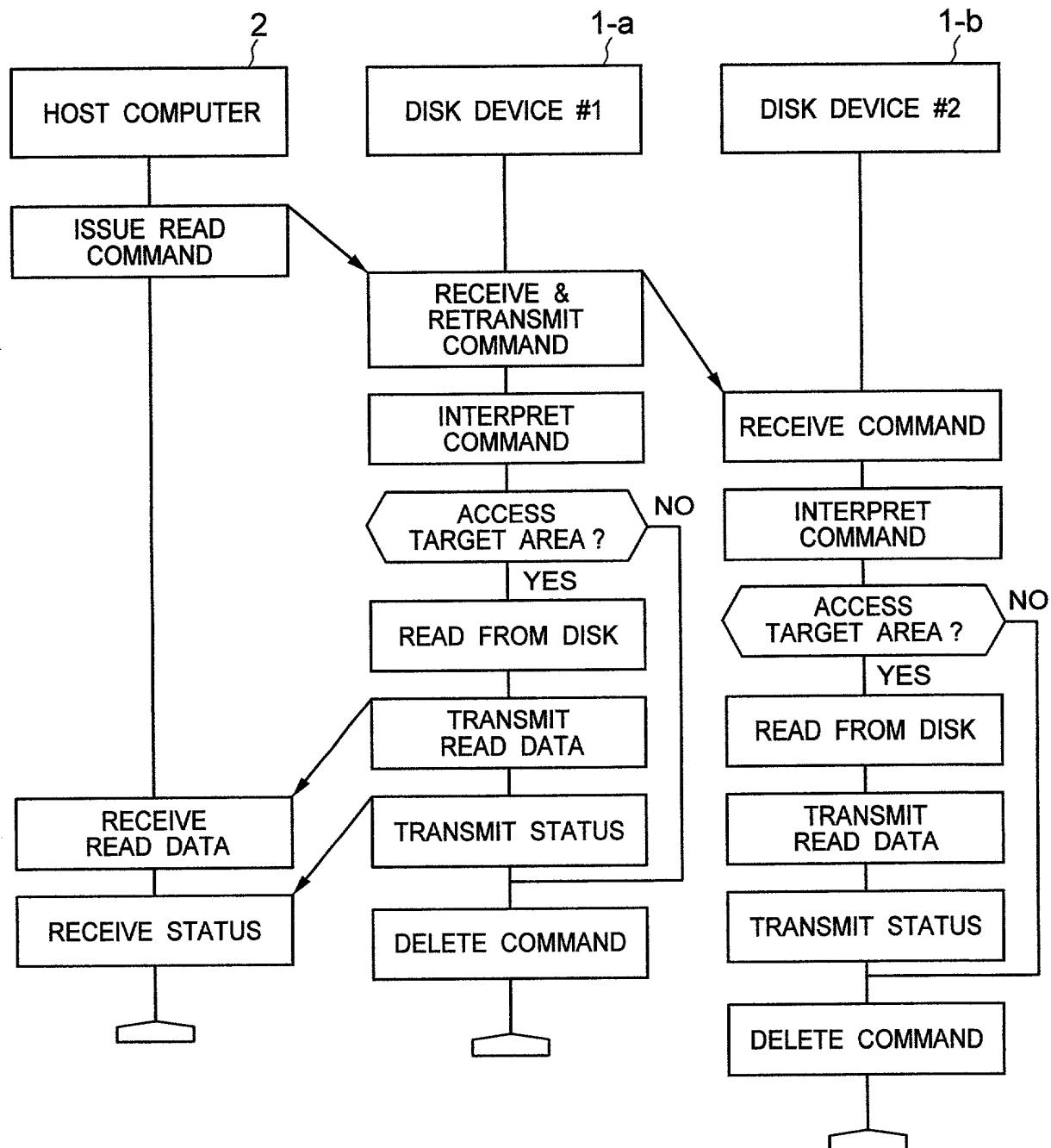


FIG. 4

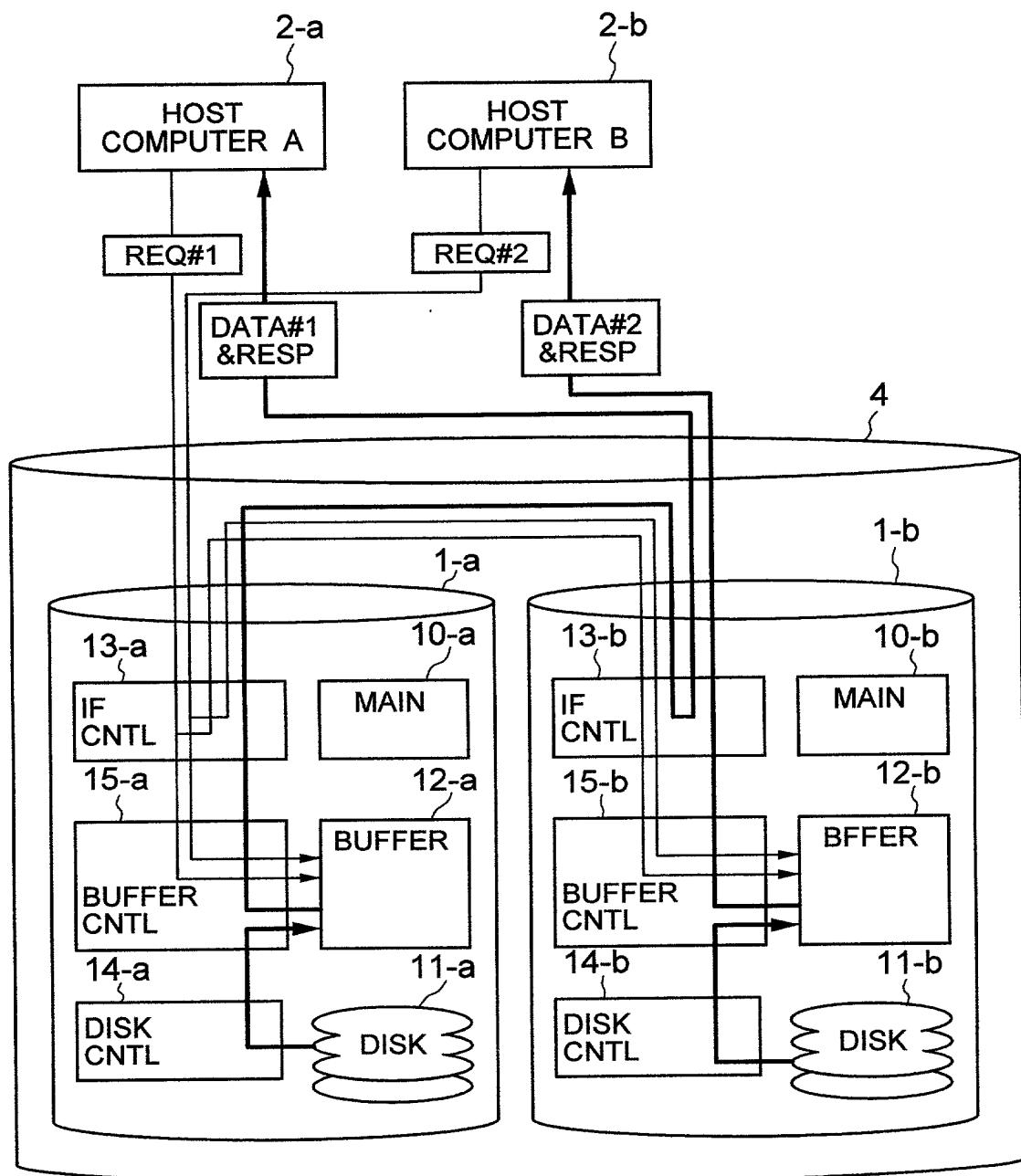


FIG. 5

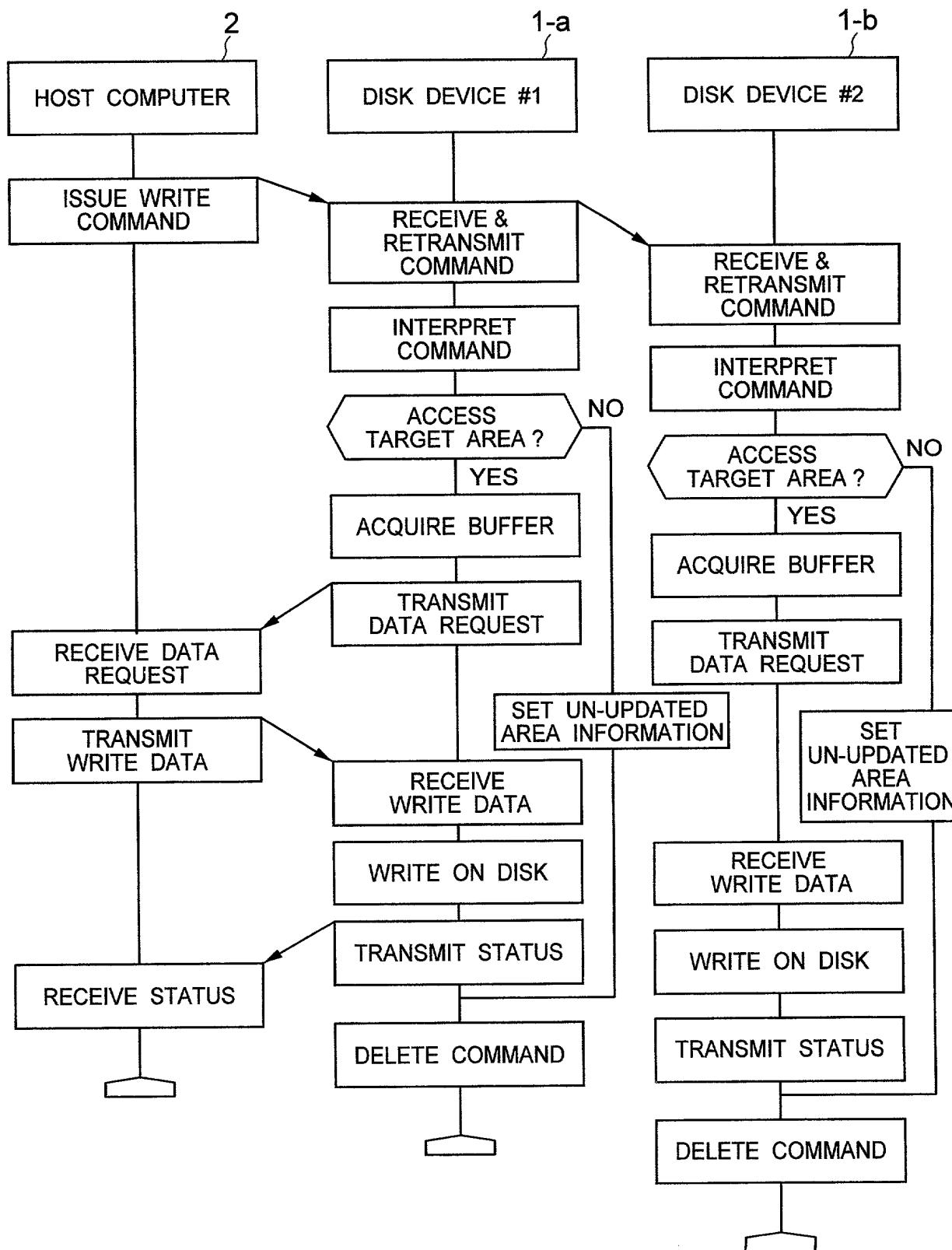


FIG. 6

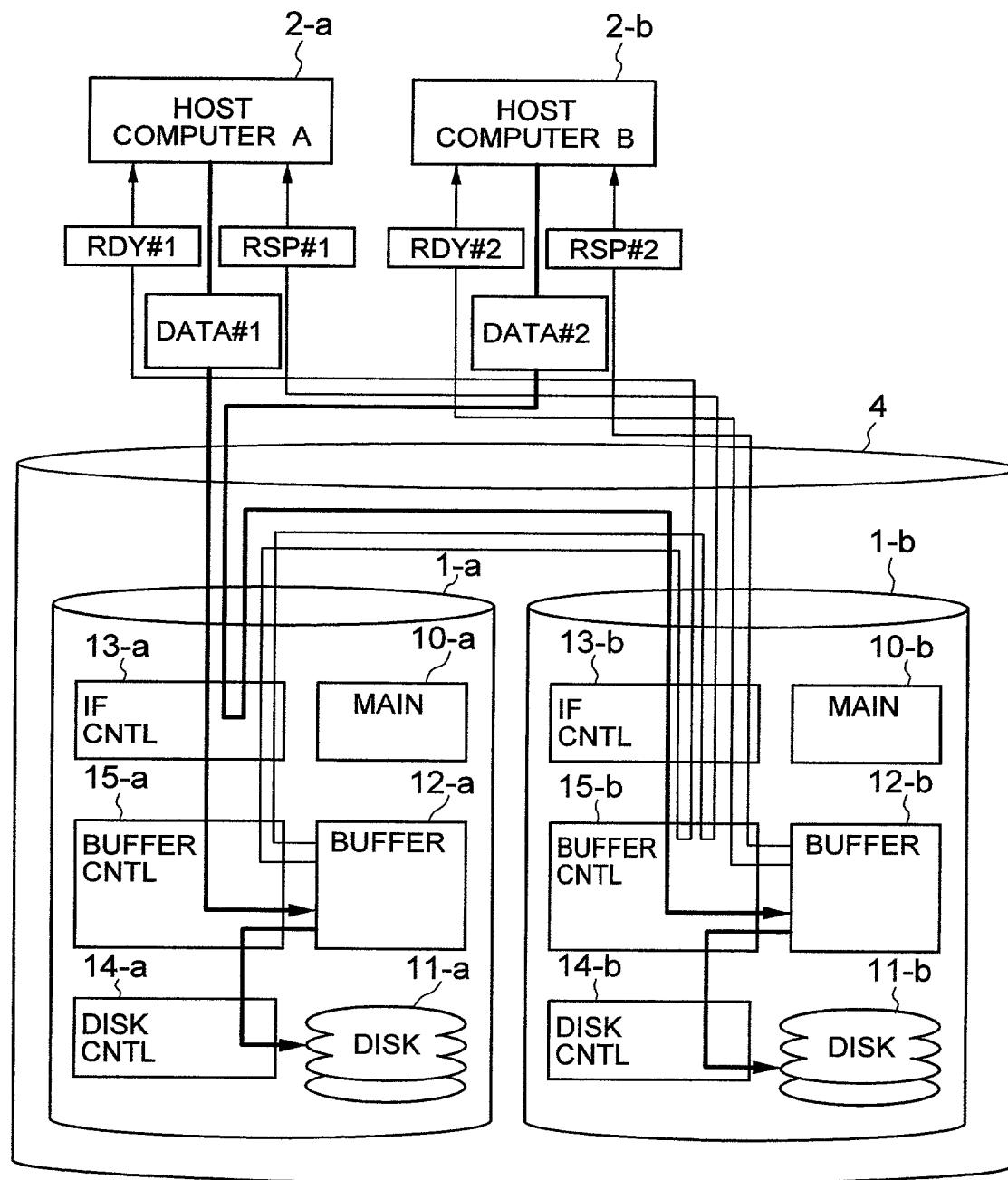


FIG. 7

30

#	UN-UPDATED AREA START ADDRESS	UN-UPDATED AREA SIZE	UPDATE INFORMATION
0			
1			
2			
•			
N			

FIG. 8

4

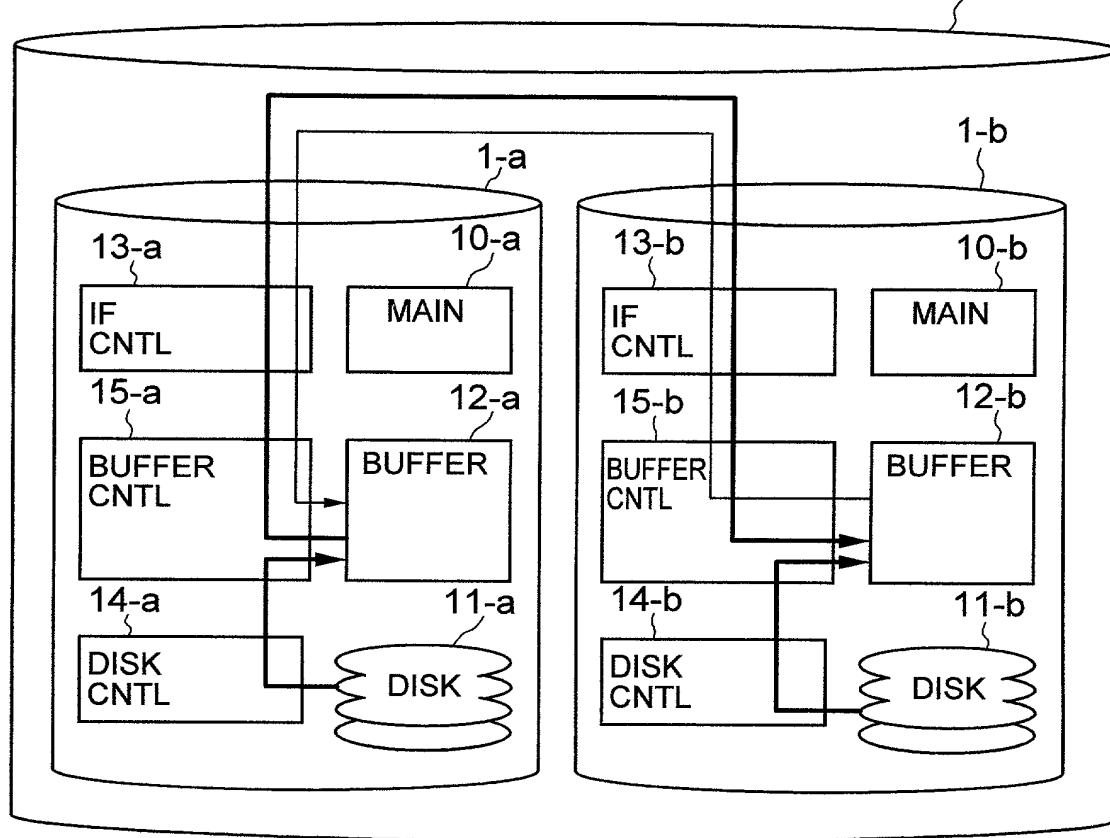


FIG. 9

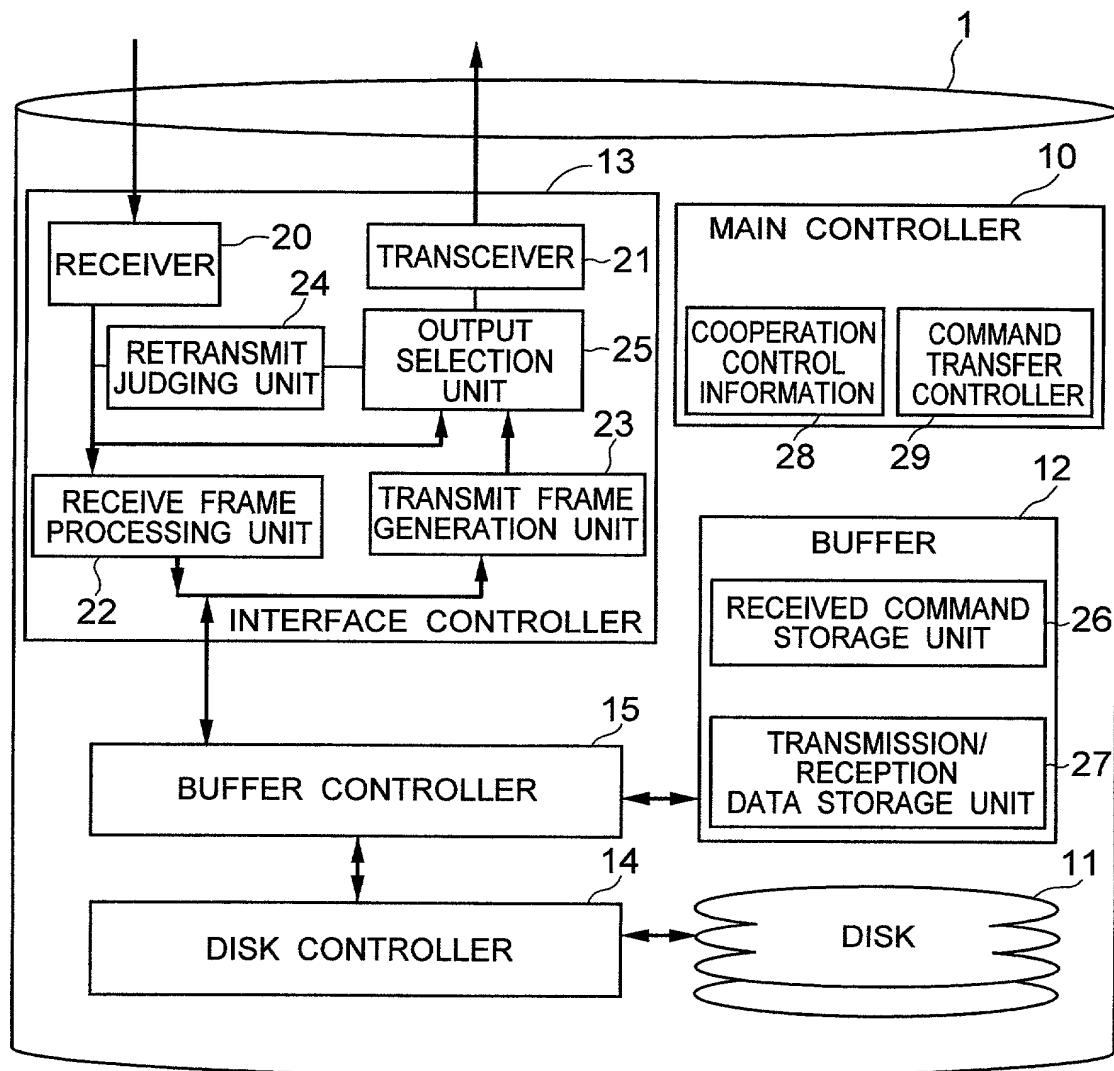


FIG. 10

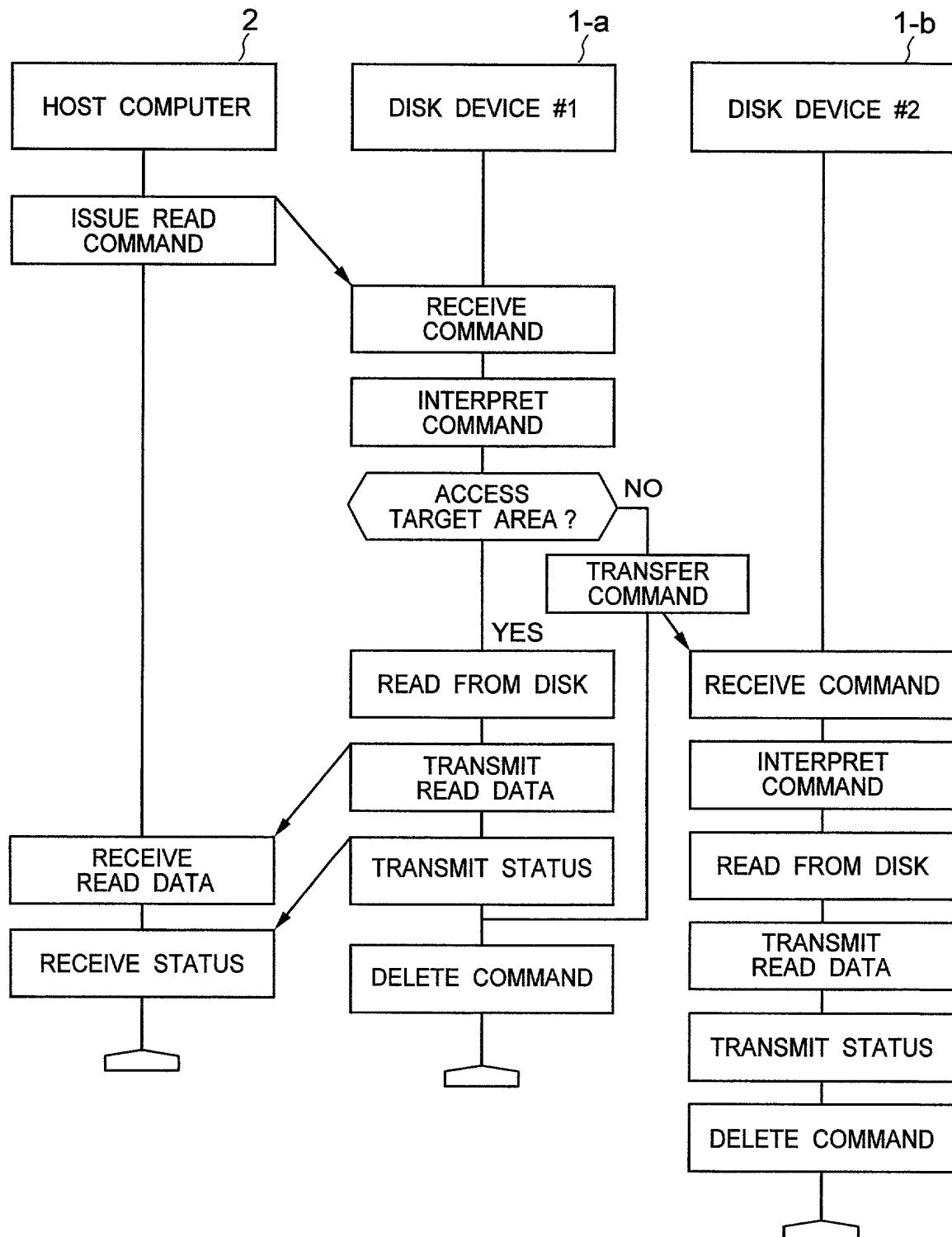
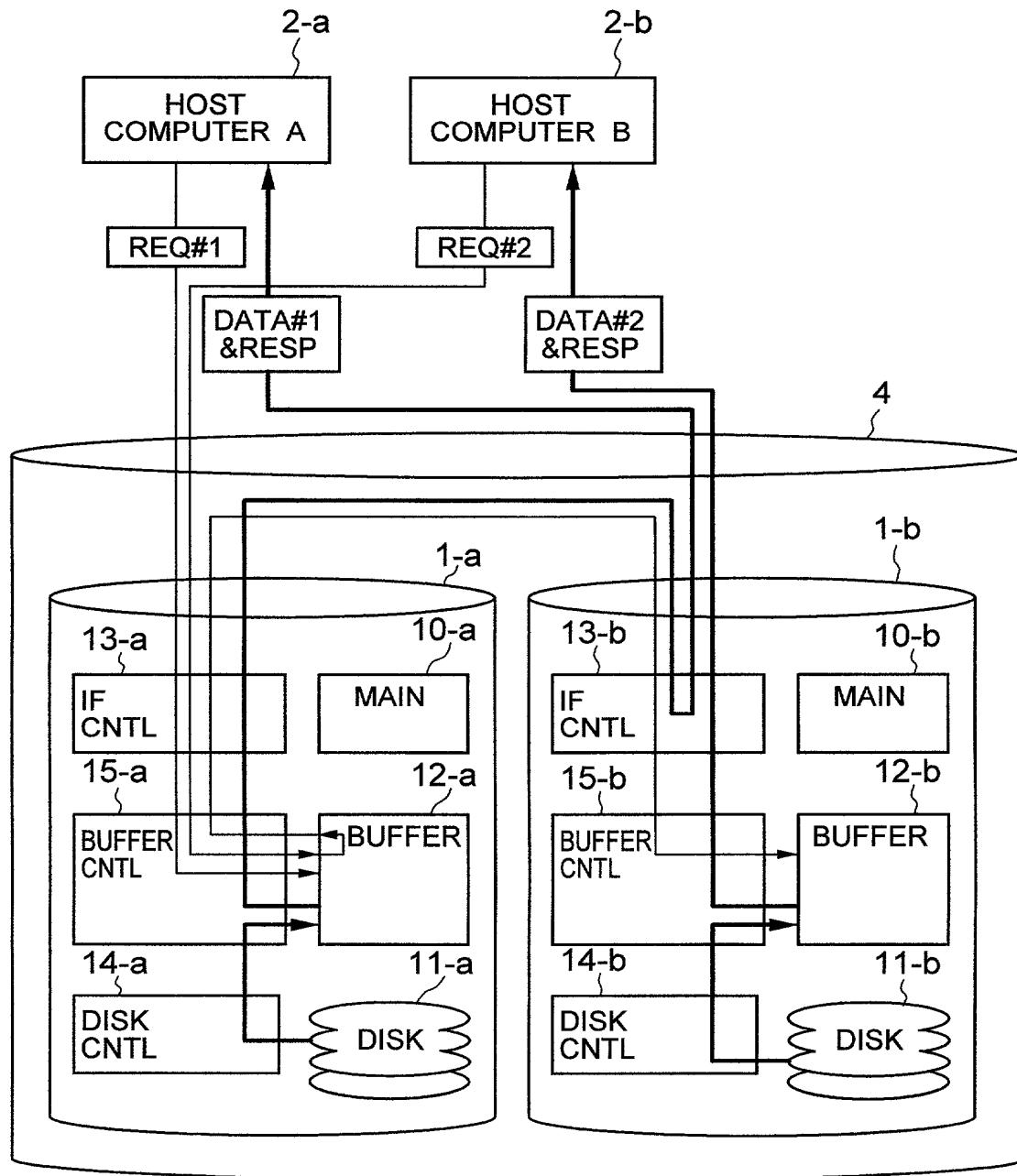


FIG. 11



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FIG. 12

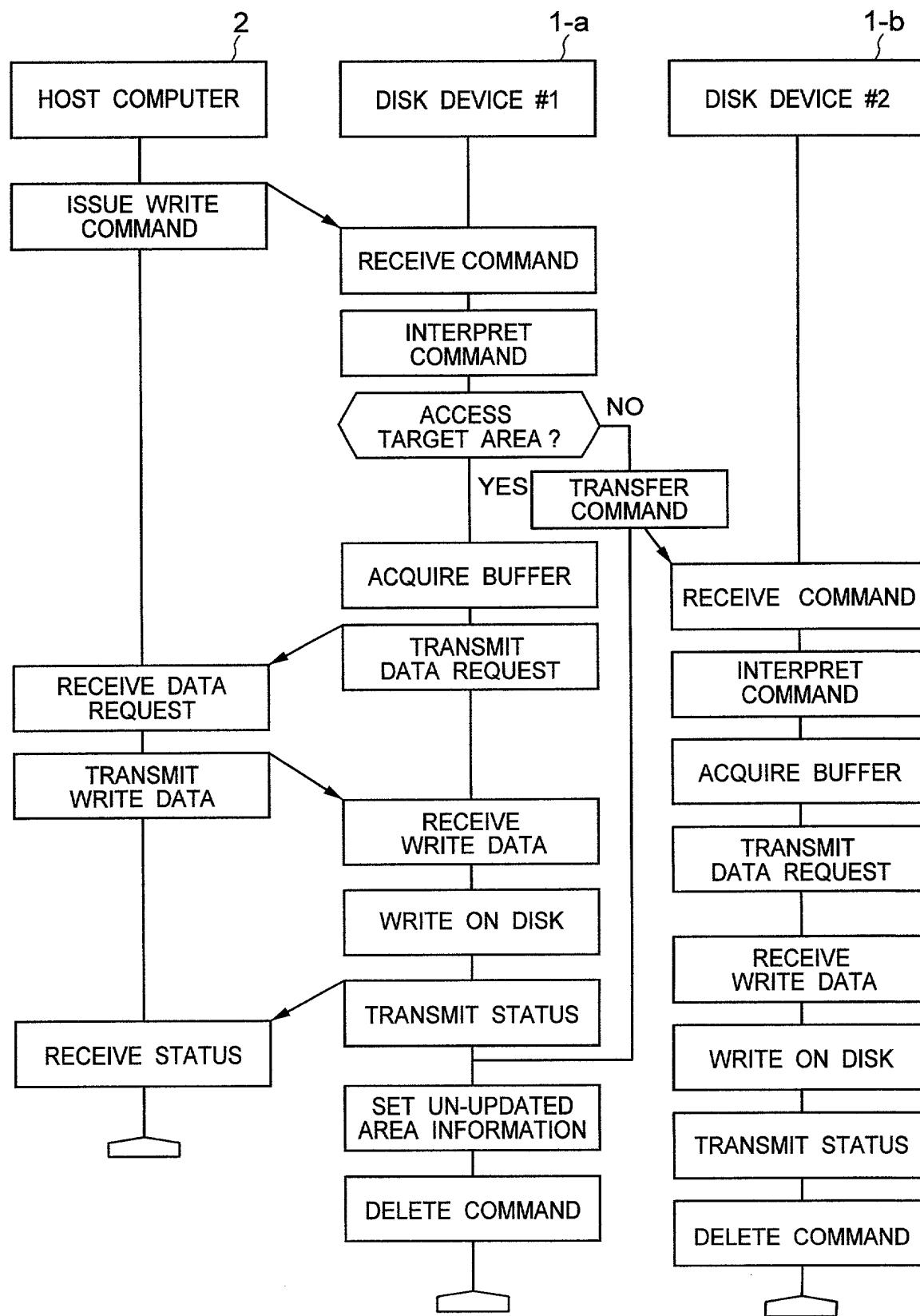


FIG. 13

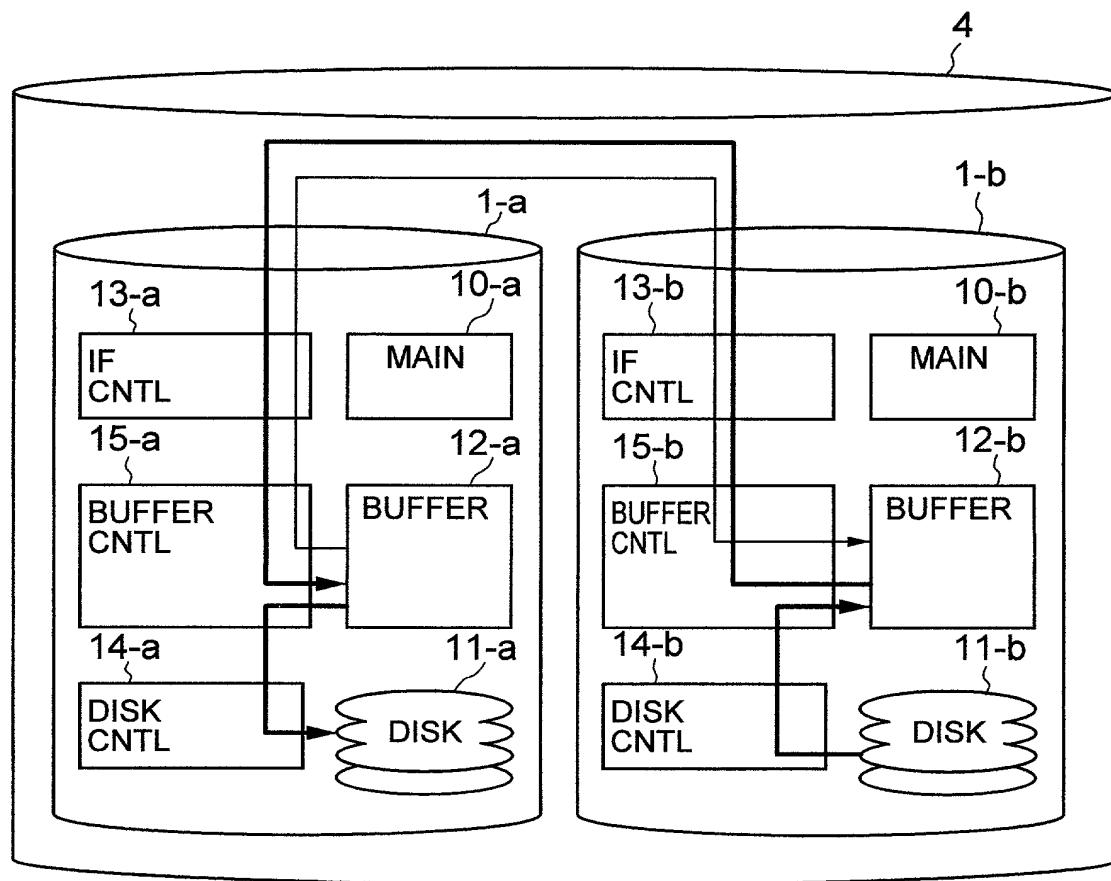


FIG. 14

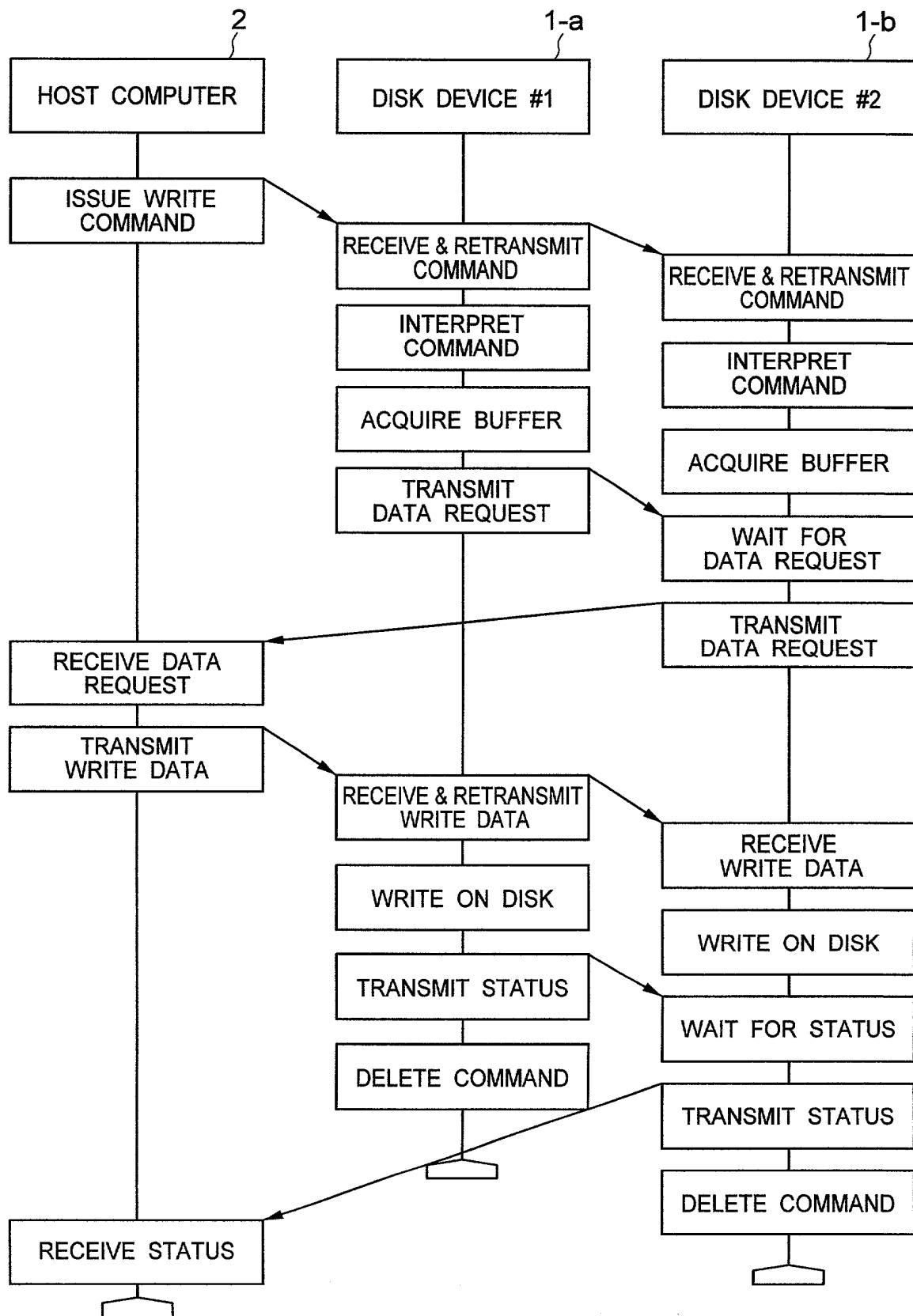


FIG. 15

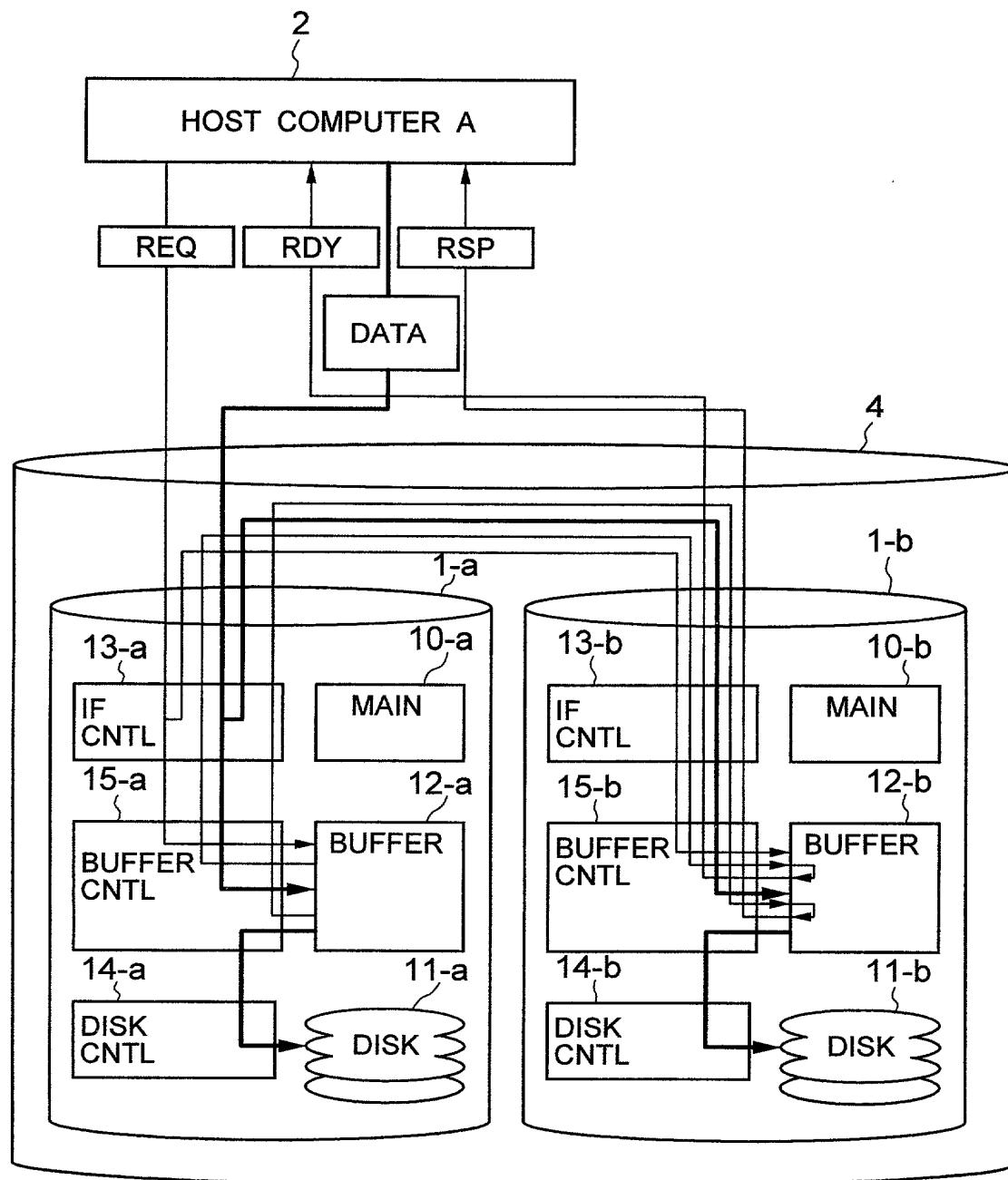


FIG. 16

COOPERATION CONTROL INFORMATION ITEM	EXAMPLE OF SETTING FOR STORAGE DEVICE #1	EXAMPLE OF SETTING FOR STORAGE DEVICE #2
STORAGE SYSTEM ID (SHARED ID)	ID_0	ID_0
STORAGE DEVICE ID (UNIQUE ID)	ID_1	ID_2
COOPERATION STORAGE DEVICE ID (ID UNIQUE TO COOPERATION STORAGE DEVICE)	ID_2	ID_1
COOPERATION PROCESSING (COMMAND TRANSFER) MODE	COMMAND RETRANSMISSION	COMMAND RECEPTION
AREA MANAGEMENT INFORMATION	COOPERATION PROCESSING AREA	0- (N-1)
	ACTIVE AREA START ADDRESS	0
	ACTIVE AREA SIZE	N / 2

FIG. 17

FIG. 18

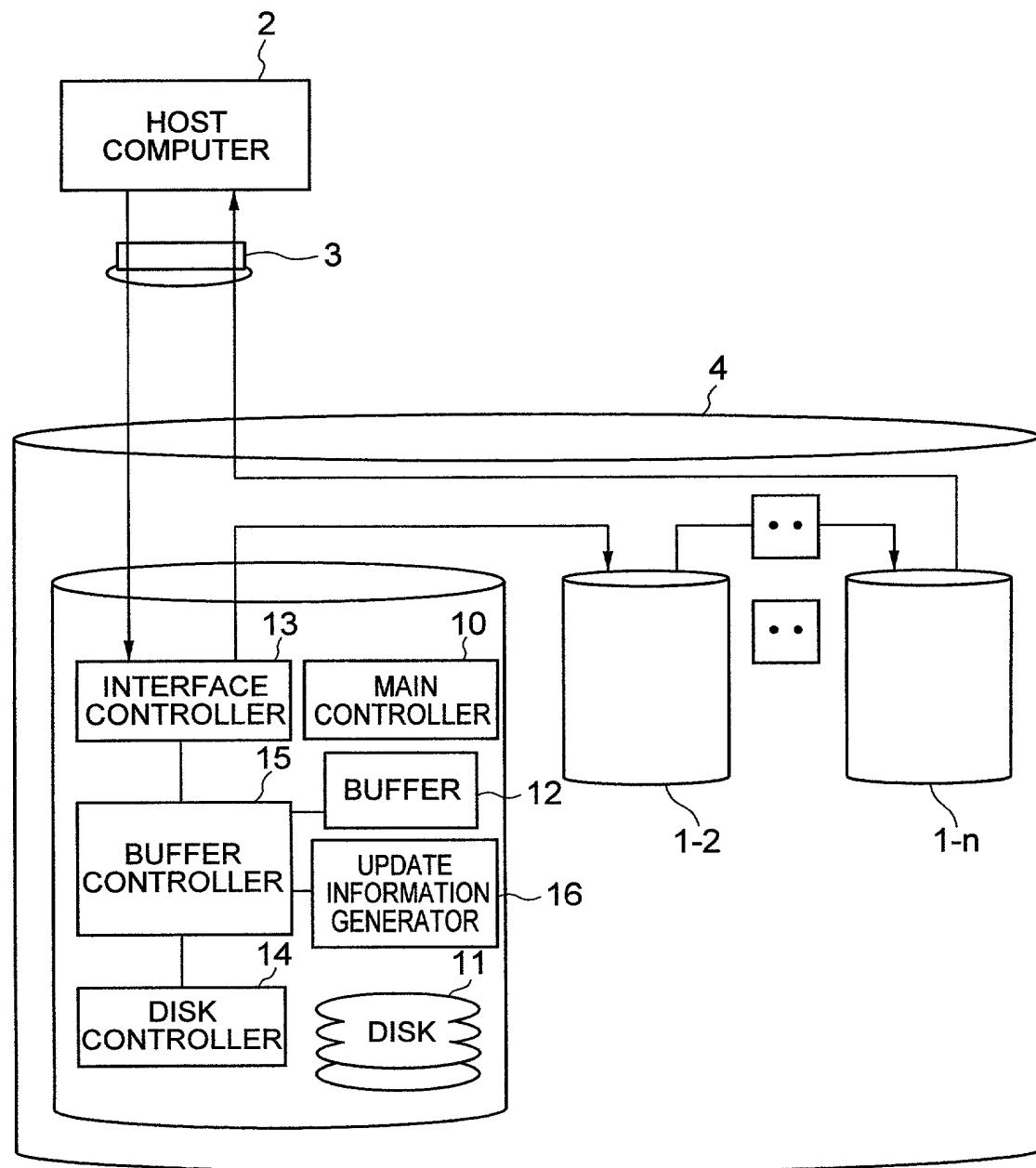
WORD	BYTE	3	2	1	0
0	R_CTL		D_ID		
1	CS_CTL		S_ID		
2	TYPE		F_CTL		
3	SEQ_ID	SEQ_ID		SEQ_CNT	
4	OX_ID			RX_ID	
5				PARAMETER	

FIG. 19

#	HOST ID (S_ID)	OX_ID	RX_ID
0	ID_3	OX_00	RX_00
1	ID_3	OX_01	RX_02
2	ID_4	OX_01	RX_04
.	—	—	—
N	—	—	—

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FIG. 20



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FIG. 21

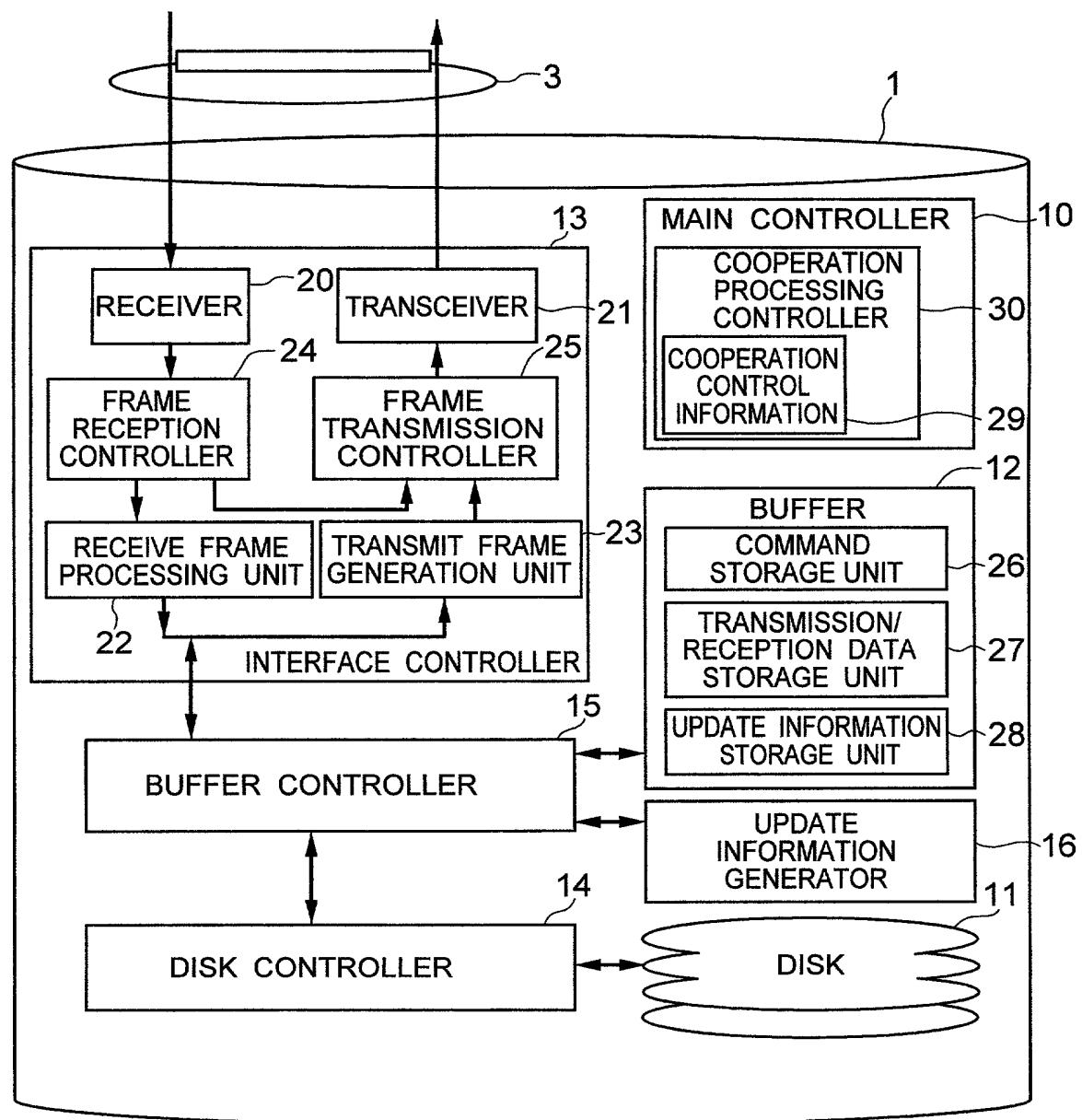


FIG. 22

COOPERATION CONTROL INFORMATION ITEM	STORAGE DEVICE #1	STORAGE DEVICE #2	STORAGE DEVICE #N
STORAGE SYSTEM ID (SHARED ID)	ID_0	←	←
STORAGE DEVICE ID (UNIQUE ID)	ID_1	ID_2	ID_N
POSITION MAP	1	2	N
COMMAND TRANSFER MODE	RECEPTION & RETRANSMISSION	RECEPTION & RETRANSMISSION	RECEPTION ONLY
REDUNDANT CONFIGURATION MANAGEMENT INFORMATION	RAID LEVEL	5	←
	NO. OF DATA DISKS	N-1	←
	NO. OF REDUNDANT DATA DISKS	1	←
	REDUNDANT DATA MANAGEMENT SIZE	64 (kB)	←

FIG. 23



FIG. 24

WORD	BYTE	3	2	1	0
0	R_CTL			D_ID	
1	CS_CTL			S_ID	
2	TYPE			F_CTL	
3	SEQ_ID	SEQ_ID		SEQ_CNT	
4		OX_ID		RX_ID	
5			PARAMETER		

FIG. 25

FIG. 26

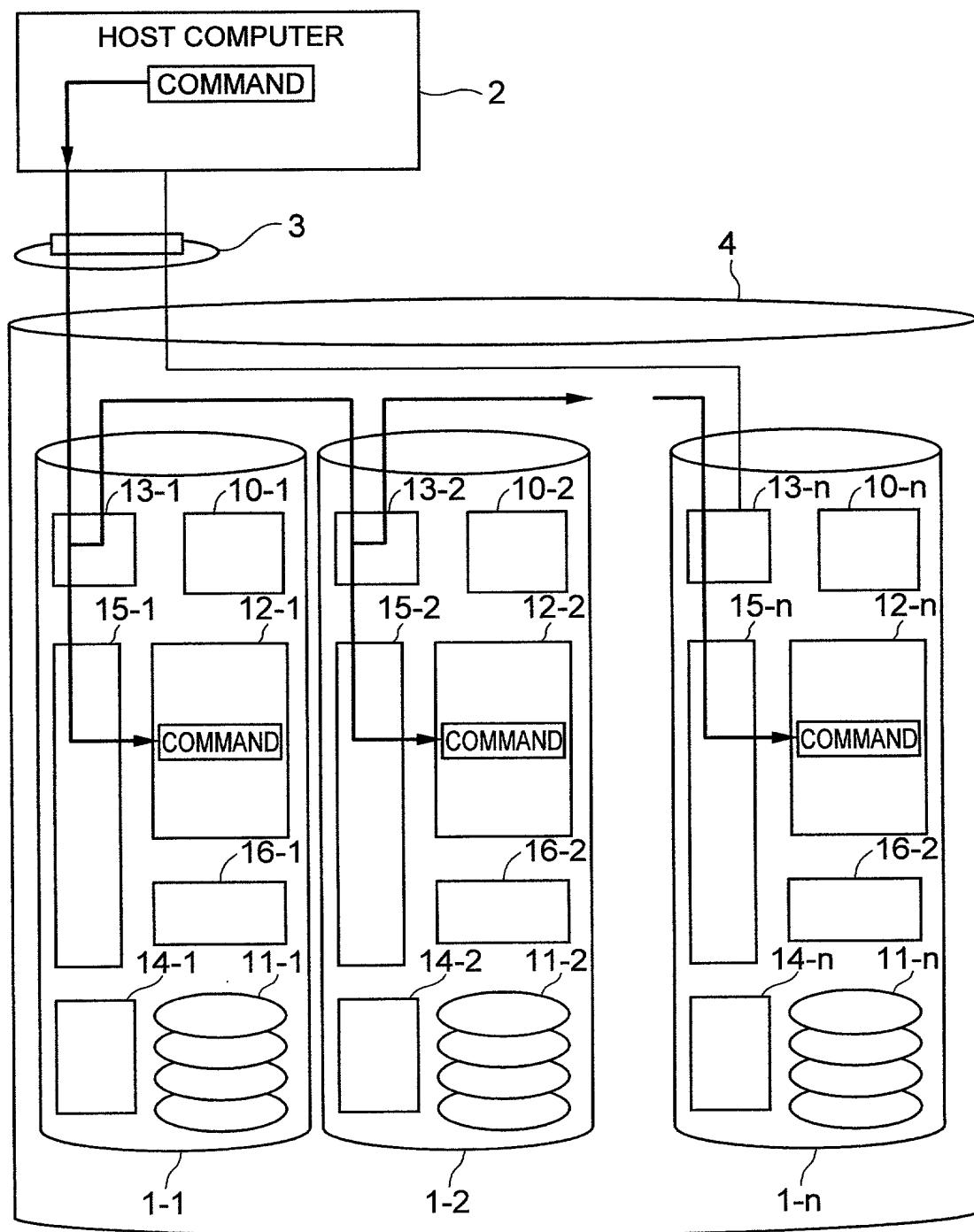
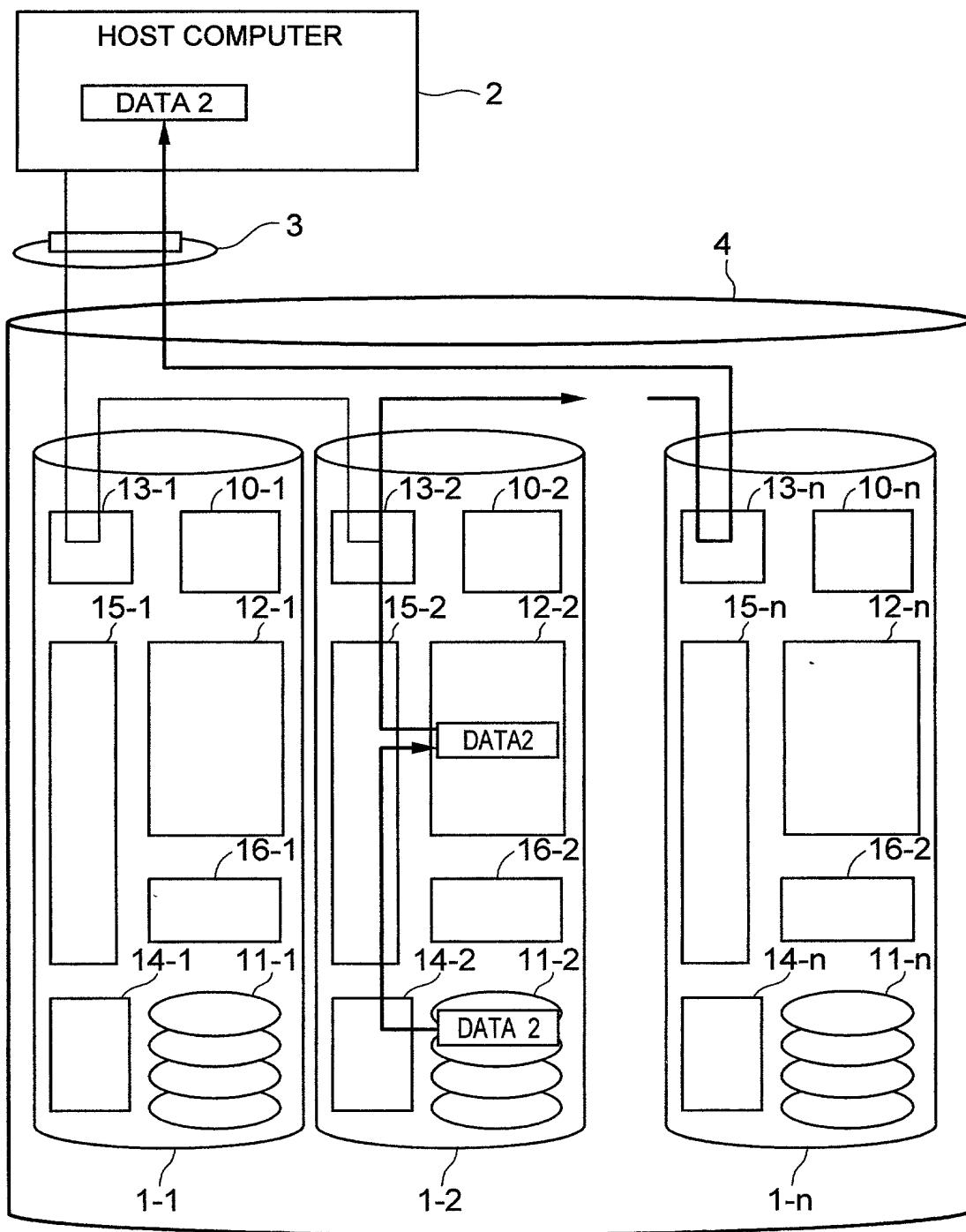
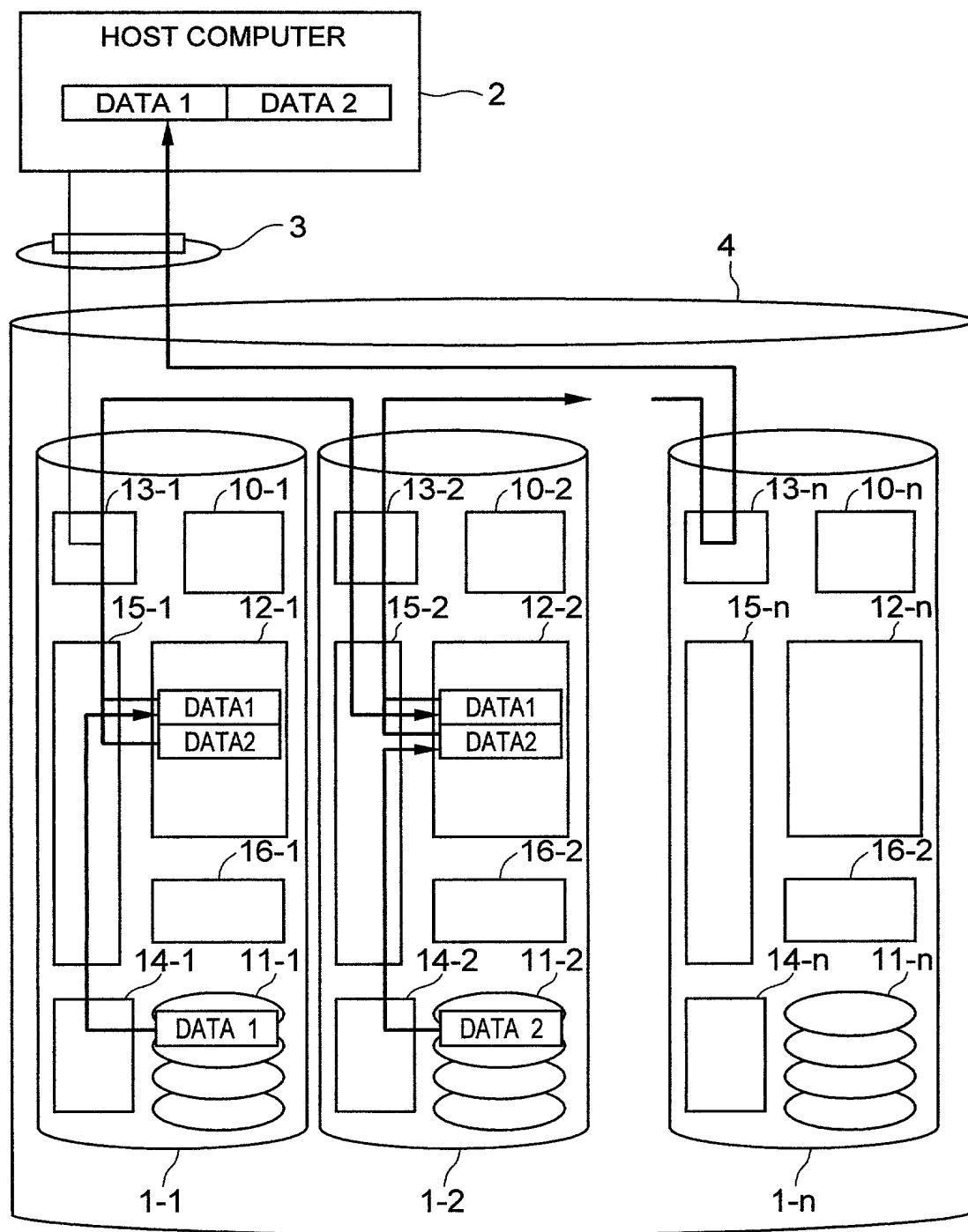


FIG. 27



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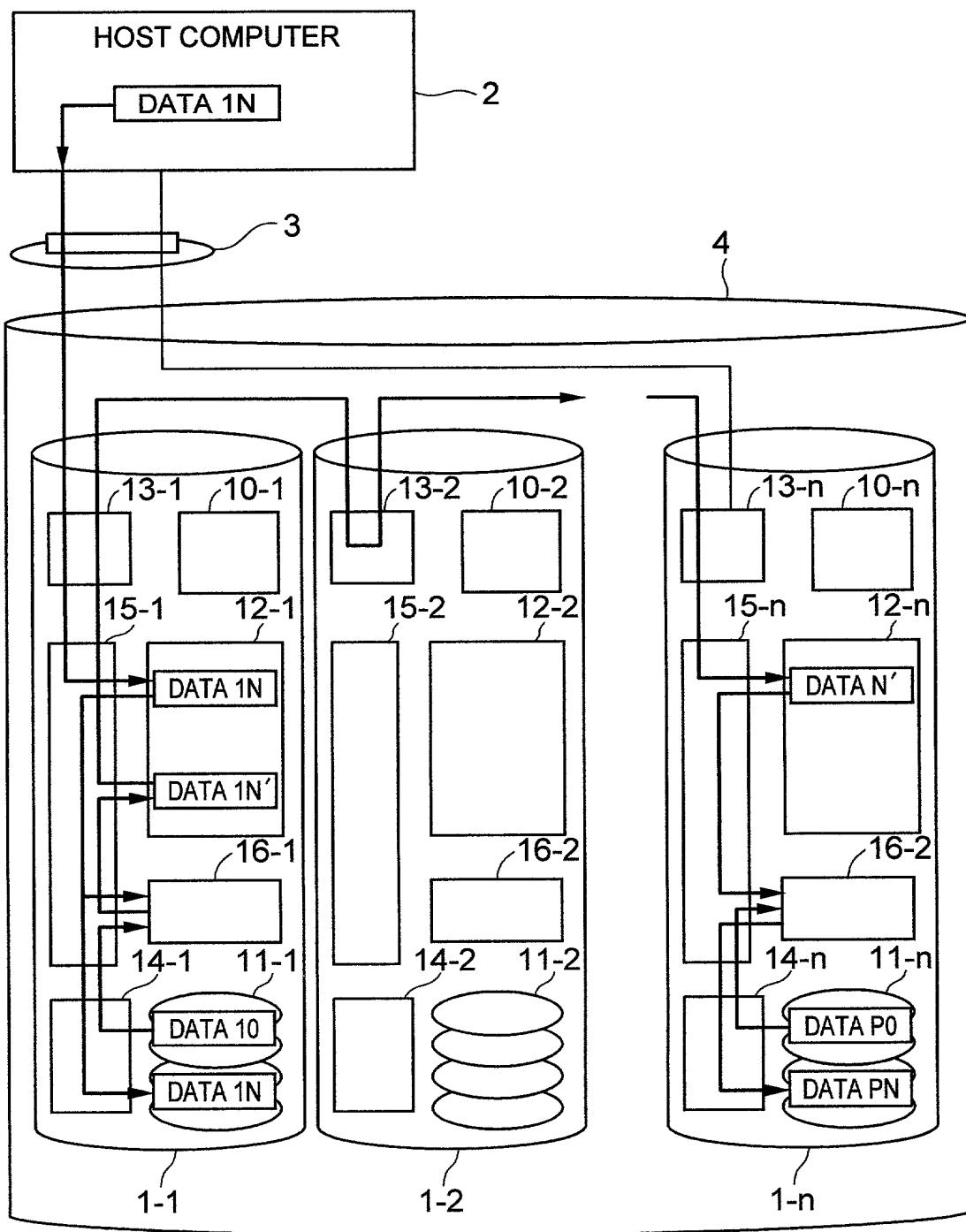
FIG. 28



10083303 - DE26628

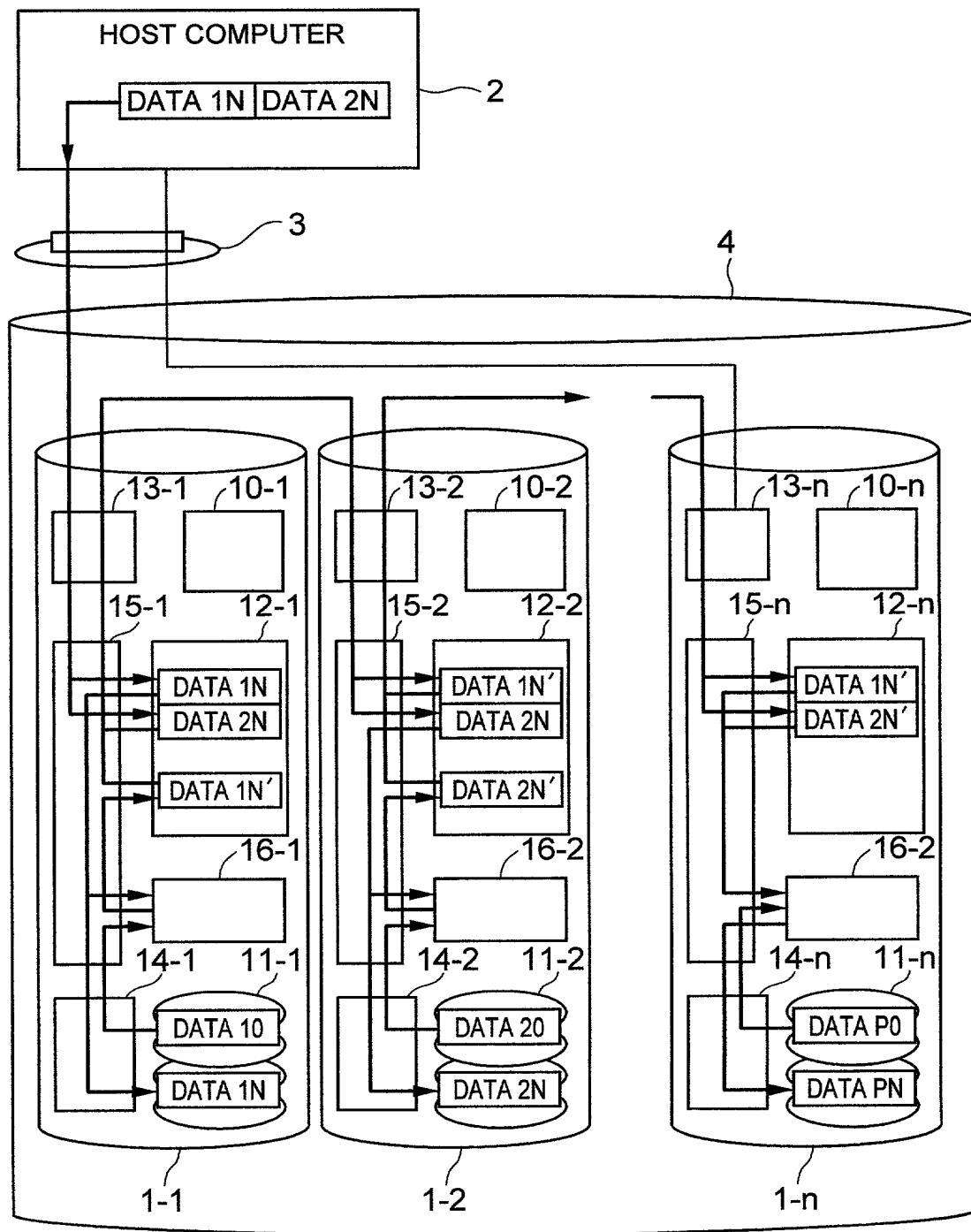
FIG. 29

FIG. 30



40092303 - 020602

FIG. 31



10083303 - DECODE

FIG. 32

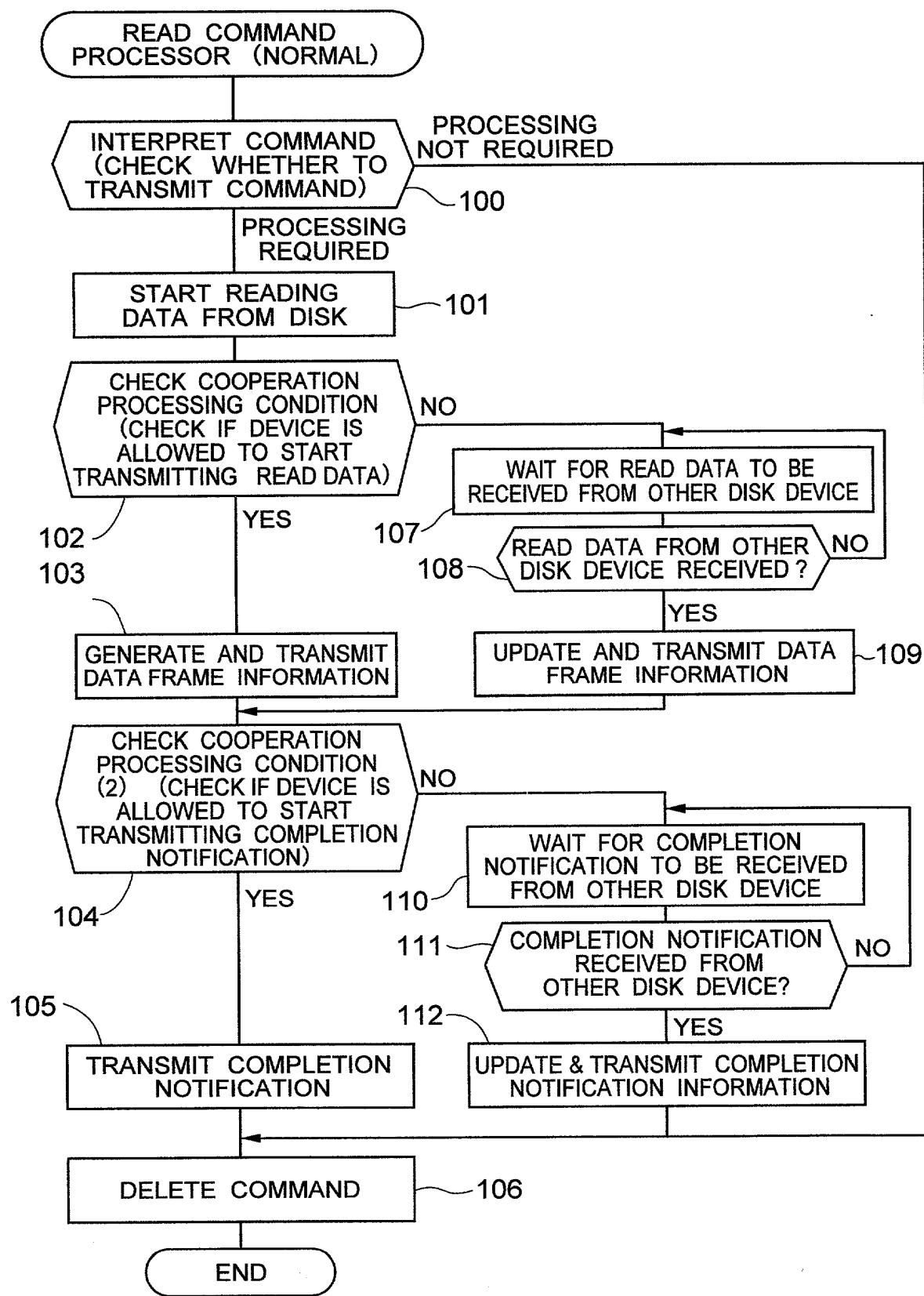
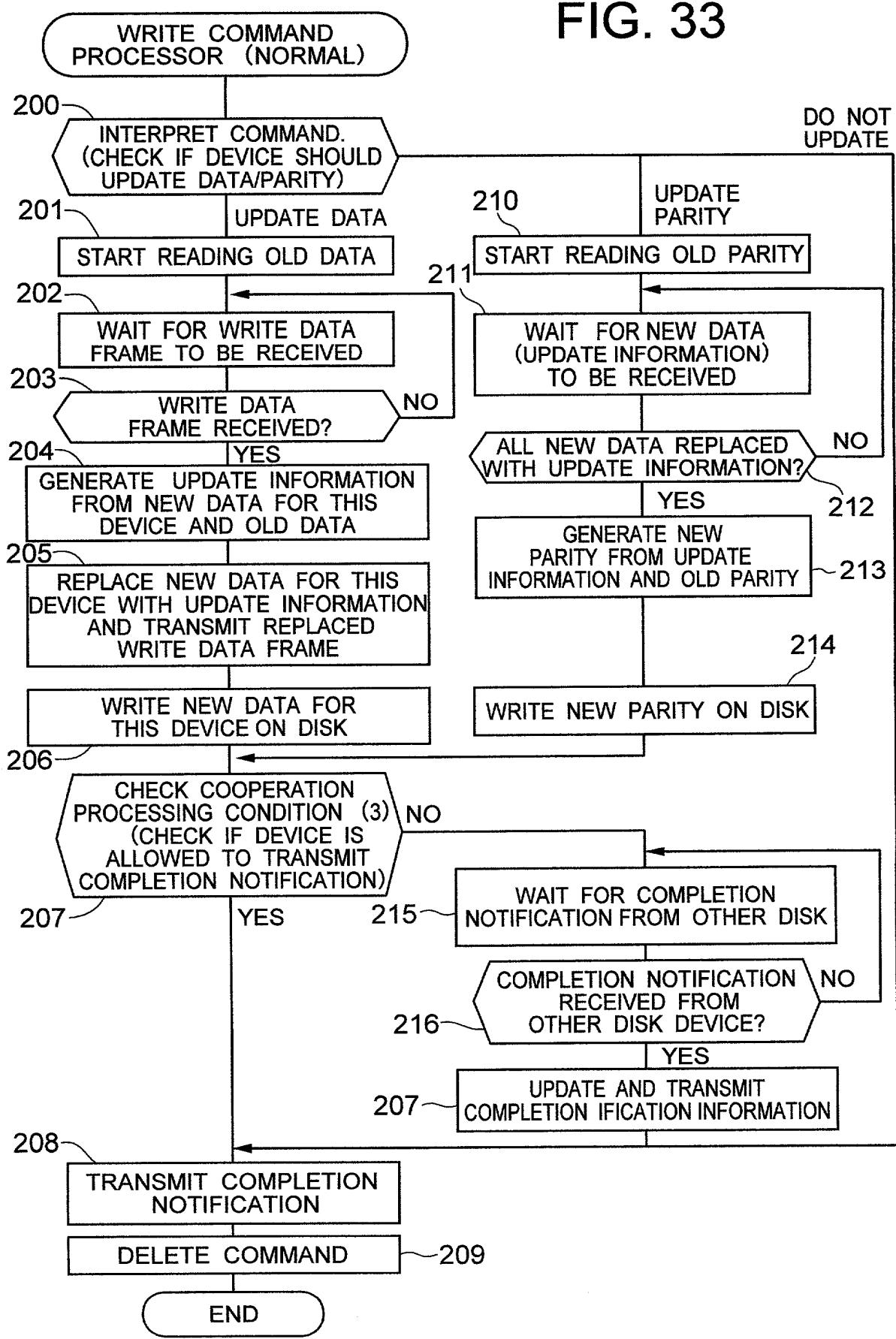


FIG. 33



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FIG. 34

COOPERATION CONTROL INFORMATION ITEM	STORAGE DEVICE #1	STORAGE DEVICE #2	STORAGE DEVICE #N
STORAGE SYSTEM ID (SHARED ID)	ID_0	←	←
STORAGE DEVICE ID (UNIQUE ID)	ID_1	ID_2	ID_N
POSITION MAP	1	2	N
COMMAND TRANSFER MODE	RECEPTION & RETRANSMISSION	RECEPTION & RETRANSMISSION	RECEPTION ONLY
REDUNDANT CONFIGURATION MANAGEMENT INFORMATION	RAID LEVEL	5	←
	NO. OF DATA DISKS	3	←
	NO. OF REDUNDANT DATA DISKS	1	←
	REDUNDANT DATA MANAGEMENT SIZE	64 (kB)	←
	OPERATION MODE (NORMAL/FALLBACK)	FALLBACK	←
	FAILING STORAGE DEVICE ID	ID_2	←

FIG. 35

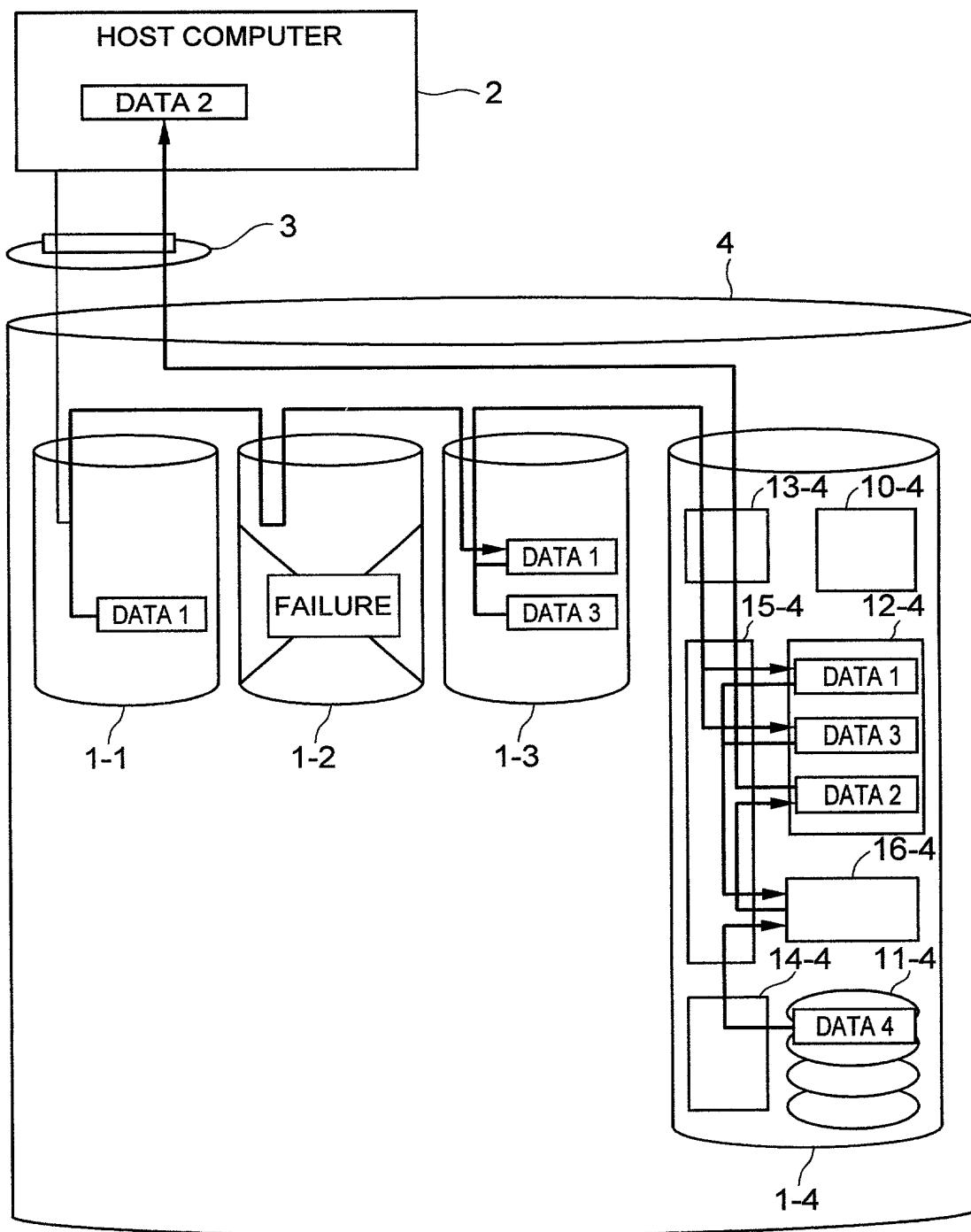


FIG. 36

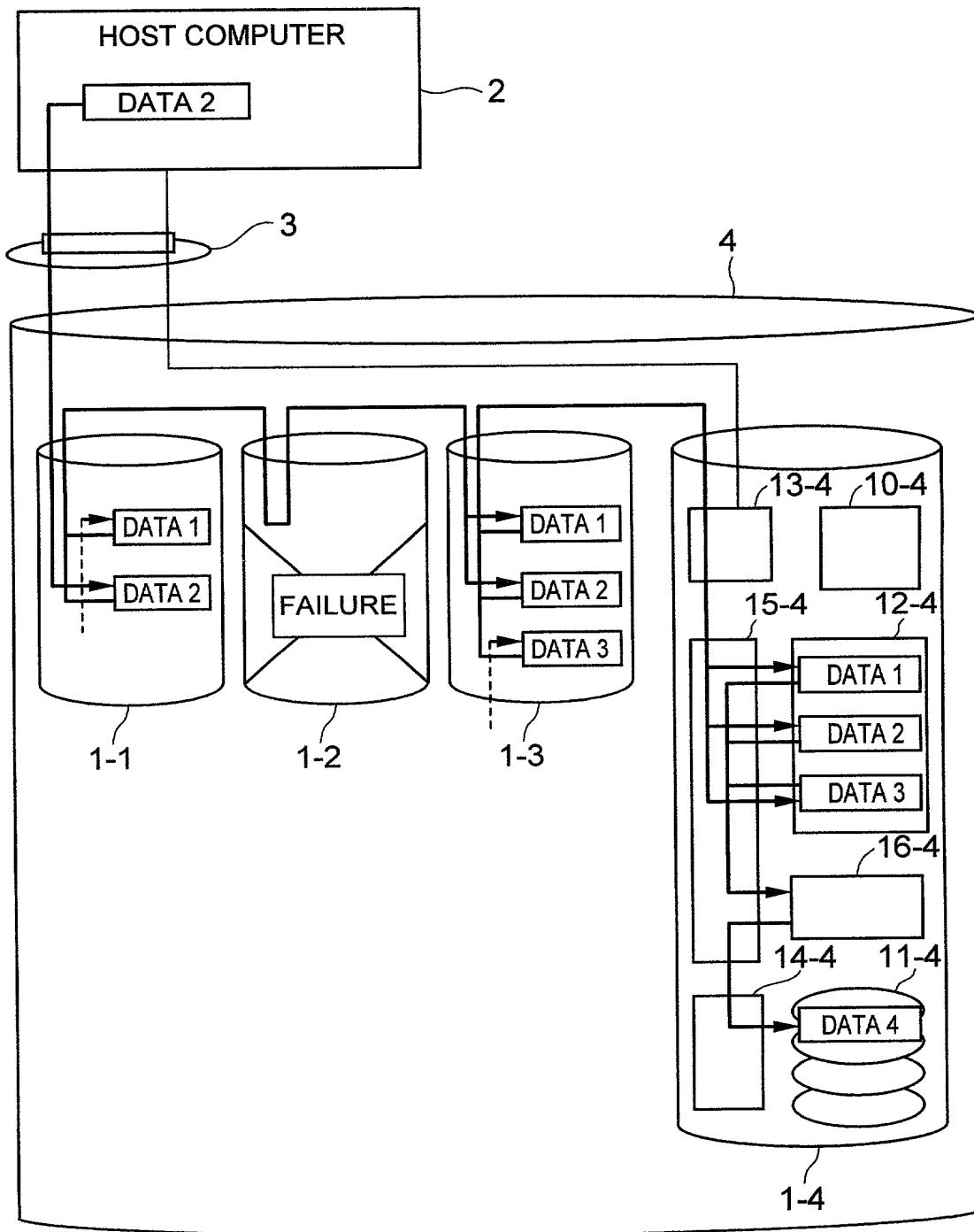


FIG. 37

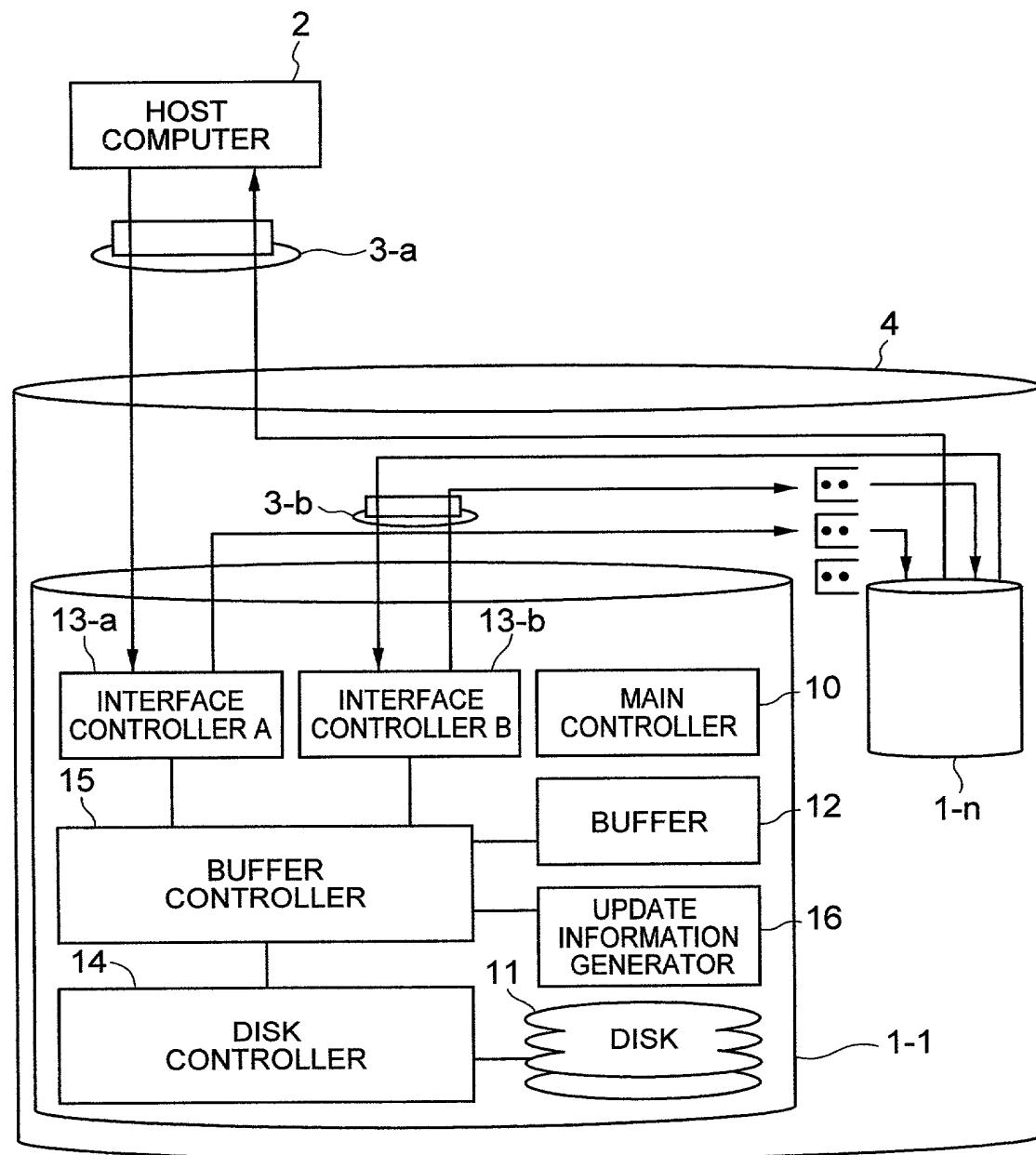


FIG. 38

